VOLUNTARY REMEDIATION PROGRAM
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

PROJECT SUMMARY

Site Name:	Fort Wayne Terminal
Applicant's Name:	Norfolk Southern Railway Company
Site Location:	Northwest corner of Hartzell & Nelson Road New Haven Allen County
VRP Site Number:	6970509
Project Manager:	Bill Wieringa
Date Application Received:	May, 1997
Date Project Completed:	May, 2000
Project Duration:	3 years
Contaminant Group(s):	2,4-D (Herbicide), 2,4-DB (Herbicide), 2,4,5-Trichlorophenoxyacetic Acid (Herbicide), 2,4,5-TP (Silvex)(Herbicide), 2,4,5-Trichlorophenol & 2,4,6-Trichlorophenol
Media Cleaned Up:	Surface and Subsurface Soils
Cleanup Goals Achieved:	Tier III Site Specific Cleanup Objectives
Deed/Land Use Restrictions:	Property use shall remain Nonresidential

Project Description: The site entered into the VRP in 1997 to address surface and subsurface soils that were impacted by the inadvertent release of a herbicide product near a storage shed located within the rail yard. The site remediated the site soils using an in-situ catalytic oxidation technology to reduce the concentrations of the herbicide compounds to levels below the site-specific cleanup goals (Tier III) established for the project. A proprietary reagent of water, peroxide, iron sulfate, calcium or magnesium oxide, and liquid fertilizer was applied to surface and subsurface soils. The by-products that resulted from the reactions were water, calcium chloride, salt, iron oxide, carbon dioxide and glycol. The carbon dioxide was vented to the atmosphere during remediation and the glycol, which is non-toxic, is a nutrient source for the naturally occurring soil bacteria and will biodegrade in time. After the initial application, the site was left undisturbed for four weeks. Upon the return to the site, confirmation samples were collected and the analysis showed the reduction of the constituents of concern to below the site specificTier III cleanup objective.